

ARG46707 anti-NRK1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NRK1
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NRK1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to N-terminal region of Human NRK1.
Conjugation	Un-conjugated
Alternate Names	NMRK1; Nicotinamide Riboside Kinase 1; NRK1; BA235O14.2; C9orf95; Nicotinic Acid Riboside Kinase 1; RibosylNicotinic Acid Kinase 1; RibosylNicotinamide Kinase 1; FLJ20559; NmR-K 1; NRK 1; RNK 1; Chromosome 9 Open Reading Frame 95; RibosylNicotinamide Kinase; EC 2.7.1.173; EC 2.7.1.22

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

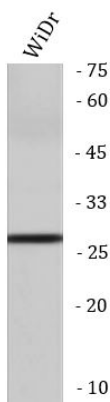
Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.42% Potassium phosphate, 0.87% Sodium chloride, 0.01% sodium azide and 30% glycerol.
Preservative	0.87% Sodium azide
Stabilizer	30% glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NMRK1
Gene Full Name	Nicotinamide Riboside Kinase 1
Background	Nicotinamide adenine dinucleotide (NAD+) is essential for life in all organisms, both as a coenzyme for oxidoreductases and as a source of ADP-ribosyl groups used in various reactions. Nicotinic acid and nicotinamide, collectively known as niacin, are the vitamin precursors of NAD+. Nicotinamide riboside kinases, such as NRK1, function to synthesize NAD+ through nicotinamide mononucleotide using nicotinamide riboside as the precursor (Bieganski and Brenner, 2004 [PubMed 15137942]).[supplied by OMIM, Mar 2008]
Function	Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). The enzyme also phosphorylates the antitumor drugs tiazofurin and 3-deazaguanosine. [UniProt]
Calculated Mw	23 kDa

Images



ARG46707 anti-NRK1 antibody WB image

Western blot: WiDr stained with ARG46707 anti-NRK1 antibody.